



STIC Search Report

EIC 3700

STIC Database Tracking Number: 93366

TO: Amy Vanatta
Location: CP2-4B22
Wednesday, May 07, 2003

Case Serial Number: 09/864585

From: Julie Walko
Location: EIC 3700
CP2-2C08
Phone: 305-8587

Julie.walko@uspto.gov

Search Notes

Amy:

Attached are the results to your request regarding a ligating clip with an antibiotic or antimicrobial coating.

I'm not convinced I found anything relevant, but I recommend you review the entire packet.

If you have any questions or would like this search reworked in any way, please do not hesitate to contact me at the number or address listed above.

7/5/1 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
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113120839 CA: 113(14)120839d PATENT
Infection-resistant coating compositions for manufacture of medical devices

INVENTOR(AUTHOR): Fox, Charles L., Jr.; Modak, Shanta M.; Sampath, Lester A.

LOCATION: USA
ASSIGNEE: Columbia University
PATENT: European Pat. Appl. ; EP 328421 A2 DATE: 890816
APPLICATION: EP 89301349 (890213) *US 154920 (880211) *US 258189 (881014)
PAGES: 37 pp. CODEN: EPXXDW LANGUAGE: English CLASS: A61L-029/00A;
A61L-031/00B; A61L-027/00B; A61L-015/03B; A61L-017/00B
DESIGNATED COUNTRIES: AT; BE; CH; DE; FR; GB; IT; LI; NL; SE

SECTION:

CA263007 Pharmaceuticals

IDENTIFIERS: antimicrobial medical goods coating, silver nitrate
chlorhexidine polyurethane catheter coating

DESCRIPTORS:

Glycosides, amino... Proteins, specific or class, silver complexes...
antimicrobial coating compn. contg. polymer matrix and, for manuf. of
medical devices

Rubber, silicone, biological studies... Rubber, urethane, polyether-,
block, biological studies...

coating compn. contg. microbicides and, for manuf. of medical devices
Bactericides, Disinfectants, and Antiseptics, medical... Fungicides and
Fungistats, medical...

coating compns. contg. polymer matrix and, for manuf. of medical
devices

Artery, artificial... Contraceptives, condoms... Medical goods, catheters...

Medical goods, clips... Medical goods, dressings... Medical goods, gloves...

Medical goods, sutures... Prosthetic materials and Prosthetics, implants...

coating compns. contg. polymer matrix and microbicides for

Coating materials, bactericidal...

silver salts and biguanides and polymer matrix in, for medical goods

CAS REGISTRY NUMBERS:

56-75-7 56-95-1 60-54-8 66-79-5 389-08-2 532-31-0 534-16-7 563-63-3
1301-96-8 1403-66-3 1404-04-2 1405-87-4 1406-05-9 3508-01-8
3697-42-5 6990-06-3 7783-96-2 7783-97-3 11081-39-3 11111-12-9
13292-46-1 14698-29-4 15768-18-0 18268-45-6 18472-51-0 22199-08-2
22916-47-8 26027-38-3 32986-56-4 41748-43-0 61477-96-1 70458-92-3
70458-96-7 74011-58-8 85721-33-1 129022-99-7 129023-00-3
129023-01-4 129045-76-7 129162-49-8 129162-50-1 129162-51-2
129162-52-3 129162-53-4 129162-54-5 129162-55-6 antimicrobial
coating compn. contg. polymer matrix and, for manuf. of medical devices
26023-30-3 26100-51-6 antimicrobial coating compns. contg. microbicides
and, for manuf. of medical devices
129162-56-7 129162-57-8 129162-58-9 antimicrobial compn. contg. polymer
matrix and, for manuf. of medical devices
79-20-9 127-19-5 2687-91-4 3445-11-2 6837-24-7 as solvent, in
antimicrobial coating compn. for manuf. of medical devices
7761-88-8 biological studies, antimicrobial coating compn. contg. polymer
matrix and, for manuf. of medical devices
24980-41-4 25248-42-4 52352-27-9 coating compn. contg. microbicides and,
for manuf. of medical devices
9002-84-0 coating compns. contg. microbicides and, for manuf. of medical
devices
64-19-7 uses and miscellaneous, as solvent, in antimicrobial coating

Silver
oxide

Silver
acetate

compn. for manuf. of medical devices

7/5/2 (Item 1 from file: 71)
DIALOG(R)File 71:ELSEVIER BIOBASE
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00531750 97031604

Evaluation of marking techniques to estimate population size and first-year survival of Colorado squawfish

Haines G.B.; Modde T.

ADDRESS: G.B. Haines, U.S. Fish and Wildlife Service, Colorado River Fish Project, 266 West 100 North, Vernal, UT 84078, United States

Journal: North American Journal of Fisheries Management, 16/4 (905-912), 1996, United States

PUBLICATION DATE: 19960000

CODEN: NAJMD

ISSN: 0275-5947

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

NO. OF REFERENCES: 20

Three marking methods-tattoo ink injected with a denial inoculator, an elastic polymer injected by syringe, and fin clipping-were tested to determine a suitable technique for estimating population size, survival, and movement of age-0 Colorado squawfish *Ptychocheilus lucius*. Laboratory tests indicated that all three marks were retained at sufficient rates (>97%) to make population estimates over a 21-d period. However, fish marked with tattoo ink had higher mortality (10%) than fish marked with elastic **polymer** (<1%) or with a fin **clip** (0%). Fish marked with the elastic polymer had higher retention (85%) than those marked with fin clips (34%) or tattoo ink (26%) after 142 d. No differences in vulnerability to predation were observed among fish with the three marks or between marked and unmarked fish. A field test of the elastic polymer showed that it was easy to use, caused low mortality (5% for fish held overnight in live cages), and produced marks that were readily visible. Mark-recapture methods were used to estimate population size of Colorado squawfish (5,595 in the autumn and 2,523 the following spring) and winter survival (45%). Survival estimates from mark recapture data were more accurate and precise than those from catch per-unit-effort data, at least for short-term studies in river reaches less than 50 km long. Simulations showed that doubling the size of the study section and increasing the probability of capture by 33% would reduce possible bias from 14.5%, to 1.4% and the coefficient of variation (**SE** /mean) from 0.25 to 0.06.

Set	Items	Description
S1	38631	CLIP? ?
S2	4228868	POLYMER? OR COPOLYMER?
S3	3669356	ANTIMICROB? OR ANTI()MICROB? OR SILVER OR AG OR SELENIUM OR SE OR COPPER OR CU OR SILVER() (ACETATE OR OXIDE) OR CH(2W)CO- OAG OR AGO OR RN=(1301-96-8 OR 00563-63-3)
S4	1180099	ANTIBIOTIC? OR ANTI()BIOT? OR OXACILLIN? ? OR AMINOGLYCOSI- DE? ? OR AMINO()GLYCOSIDE? ? OR ERYTHROMYCIN? ? OR CIPRO? OR - CEPHALOSPORIN? ? OR QUINOLONE? ? OR VANCOMYCIN? ?
S5	3	S1(5N)S2 AND (S3 OR S4)
S6	3	RD (unique items)
S7	2	S6 NOT PY>2001

? show files

File 2:INSPEC 1969-2003/Apr W4
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(c) 2003 Paint Research Assn.

FT NPL

7/3,K/1 (Item 1 from file: 442)
DIALOG(R) File 442:AMA Journals
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00092018
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Scleral Plug of Biodegradable Polymers for Controlled Drug Release in the Vitreous (ARTICLE)

HASHIZOE, MOTOTANE; OGURA, YUICHIRO; KIMURA, HIDEYA; MORITERA, TAKESHI;
HONDA, YOSHIHITO; KYO, MOTOKI; HYON, SUONG-HYU; IKADA, YOSHITO
Archives of Ophthalmology
Oct, 1994; New Instruments: op_1380
LINE COUNT: 00328

Injections of **antibiotics** into the vitreous/1,2/ have been used for the treatment of infectious endophthalmitis. This...
...adaptation (Model ROX-5T, Electro Retino-Oculo Graph, Heiwa Electronic Industrial Co, Osaka, Japan). A **silver** plate electrode was placed on each earlobe; one was the reference and the other was...

...changes for 4 weeks after implantation ($P > .1$, paired t test).

COMMENT

Intravitreal injection of **antibiotics** was attempted in 1944 for the treatment of endophthalmitis,/16/ since systemic administration or subconjunctival injection of **antibiotics** did not show remarkable effectiveness. Tight junctional complexes ... the vitreous have been studied for endophthalmitis and other vitreoretinal disorders with the use of **antibiotics**, antifungal agents, antineoplastic drugs, and anti-inflammatory preparations./3-11/ Liposomes have been investigated with the rabbit model./3-7/ Liposome-encapsulated **antibiotics** and antiviral drugs have been used intravitreally in patients with acute toxoplasmic retinochoroiditis and cytomegalovirus...Kyoto, 606, Japan (Dr Ogura).

1.

Baum J, Peyman GA, Barza M. Intravitreal administration of **antibiotic** in the treatment of bacterial endophthalmitis, III: consensus. Surv Ophthalmol. 1982;26:204-206.

2...

...1988;12:175-182.

11.

Ikada Y, Hyon SH, Jamshidi S, et al. Release of **antibiotic** from composites of hydroxyapatite and poly(lactic acid). J Bioactive Compatible Polymers. 1985;2:179...

...Ophthalmol. 1992;110:255-258.

18.

Lingua RW, Parel JM, Assis L, et al. Absorbable **copolymer clip**: a potential substitute for sutures in strabismus surgery. Binoc Vision. 1987;2:129-136.

19...

Set	Items	Description
S1	4534	CLIP? ?
S2	89553	POLYMER? OR COPOLYMER?
S3	228589	ANTIMICROB? OR ANTI()MICROB? OR SILVER OR AG OR SELENIUM OR SE OR COPPER OR CU OR SILVER() (ACETATE OR OXIDE) OR CH(2W)CO- OAG OR AGO OR RN=(1301-96-8 OR 00563-63-3)
S4	50710	ANTIBIOTIC? OR ANTI()BIOT? OR OXACILLIN? ? OR AMINOGLYCOSI- DE? ? OR AMINO()GLYCOSIDE? ? OR ERYTHROMYCIN? ? OR CIPRO? OR - CEPHALOSPORIN? ? OR QUINOLONE? ? OR VANCOMYCIN? ?
S5	2	S1(5N)S2 AND (S3 OR S4)
S6	2	RD (unique items)
S7	1	S6 NOT PY>2001*

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Searched the web for **polymer surgical clip antibiotic OR antimicrobial**. Results **1 - 10** of about **209**. Search to

[PDF]00-SP1-339 Tyvek Rx 9.3 (IK)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... to suturing or using a traditional **metal clip**. ... chose to package ENDOPATH ® Trocar

surgical instruments using ... eliminates 350,000 pounds of **polymer** waste and ...
www.tyvek.com/na/medicalpack/english/pdf/rxdec2000.pdf - [Similar pages](#)

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Polymer Characterization

Weight, Size, IV, Structure & More!
 GPC/SEC Technology. Learn More
www.viscotek.com

Interest:

[PPT]ANTIBIOTIC ADJUNCTS TO PERIO DONTAL TREATMENT

File Format: Microsoft Powerpoint 97 - [View as HTML](#)

... CURRENTLY REQUIRES MECHANICAL ROOT PREPARATION IN THE PRESENCE OR ABSENCE OF **SURGICAL**

REVISION OF ... Double click to add **clip** art. ... DOXYCYCLINE **POLYMER** (ATRIDOX). ...

nnd40.med.navy.mil/gen_dent/gen_dent/powerpoint/Antibiotic%20Adjuncts%20to%20Perio%20Tx.ppt - [Similar pages](#)

Antimicrobial Protection

Built-in Microban® protection
 inhibits growth of bacteria & mold.
www.microban.com

Interest:

[See your message here...](#)

Medical Dictionary - **Surgical** Glossary - M

... Distributed by US **Surgical**. ... MicroMark™ **clip** Marker placed in biopsy sites for localization on follow-up ... Mfg/Source: Advanced **Polymer** Systems - 10/30/00. ...

mtdesk.com/m.shtml - 101k - [Cached](#) - [Similar pages](#)

Medical Dictionary - **Surgical** Glossary - V

... catheter (CVC) Central venous catheter, made with **antimicrobial polymer** material, for ... VCS **clip** adapter Tiny metal clips used to join ... Mfg/Source: US **Surgical**. ...

mtdesk.com/v.shtml - 84k - [Cached](#) - [Similar pages](#)

[[More results from mtdesk.com](#)]

OST1997AR

... **Polymer** Terminology F 04.11.06 Bioabsorbable **Polymer**-Degradation TM's F ... F 04.50.01

Aneurysm Clips & **Clip** Appliers F ... TC 198, WG 82) Reusable **Surgical** Linens WG ...

www.fda.gov/cdrh/ost/rpt97/OST1997AR96.HTML - 30k - [Cached](#) - [Similar pages](#)

[PDF]List of Product Classification Names

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... associated CFR number on Line #5 of Compliant Products FORM FDA 3474 .) IMMUNOLOGY AND MICROBIOLOGY DEVICES PART 866 **Antimicrobial** susceptibility test ...

www.fda.gov/cdrh/yr2000/cdrh/letters/990329/pdf/classification-list.pdf - [Similar pages](#)

[[More results from www.fda.gov](#)]

Emergency Wilderness Survival, Part 1: Survival Kits

... blades; 29) mini lighter; 30) 3 feet of **surgical** tube, wrapped ... around a spool fashioned from a paper **clip**; 32) 10 ... It is a weakly bonded **polymer** of formaldehyde ...

www.photo.net/bboard/q-and-a-fetch-msg?msg_id=004vC0 - 52k - [Cached](#) - [Similar pages](#)

SAGES Primary Care Physician Information: Gastric Resections

... Thereafter, the radially expandable **polymer** sheath is stretched by ... Other surgeons **clip** the artery but the ... jejunum using established open **surgical** technique for ...

www.sages.org/primarycare/chapter21.html - 44k - [Cached](#) - [Similar pages](#)

D Product Index

... 3M(TM) Replenishment; Decorating **Clip** with Command(TM ... 3M(TM); DuraPrep(TM) **Surgical** Solution, 3M ... Polyetherdiamine HC1101; Dynamar(TM)* **Polymer** Processing Additives ...
www.3m.com/product/d_index/d_index.jhtml - 65k - May 5, 2003 - [Cached](#) - [Similar pages](#)

[PDF] Therapeutic Products Programme Keyword Index To Assist ...

File Format: PDF/Adobe Acrobat - View as HTML

... MICROVASCULAR SURGERY 85MCN BARRIER, ABSORBABLE, ADHESION 79ACN **CLIP**, LIGATING
ABSORBABLE ... 86HJQ
STEREOSCOPE, AC-POWERED 87JEA TABLE, **SURGICAL** WITH ORTHOPEDIC ...

www.hc-sc.gc.ca/hpb-dgps/therapeut/zfiles/english/guides/meddev/keyword_e.pdf - [Similar pages](#)

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polymer surgical clip antibiotic OR

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Searched the web for **antimicrobial OR antibiotic "hem o lok"**. Results **1 - 6** of about **10**. Search took **0.32** seco

[PDF]00-SP1-339 Tyvek Rx 9.3 (IK)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... quick setup times they need in production of the **Hem-o-lok**® product." Weck ... these

standards but also to create materials with improved **antimicrobial** properties ...

www.tyvek.com/na/medicalpack/english/pdf/rxdec2000.pdf - [Similar pages](#)

Sponsored Links

Antimicrobial Protection

Built-in Microban® protection
inhibits growth of bacteria & mold.
www.microban.com

Interest:

[See your message here...](#)

Transplant 2001

... the research, development and commercialization of novel **antimicrobial** drugs to ... Closure

Systems will highlight its revolutionary new **Hem-o-lok**® polymer clip ...

www.transplant2001.org/bodyProdDesc.htm - 58k - [Cached](#) - [Similar pages](#)

[PDF]Schedule 5 - Appendix C - Other Medical Devices

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. Schedule 5 - Appendix C - Other Medical Devices February Billing

Code Product Name Further Description Size Notations Abbott ...

www.health.gov.au/privatehealth/providers/circulars01-02/763_494j.pdf - [Similar pages](#)

[PDF]Schedule 5 - Appendix C - Other Medical Devices

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. Schedule 5 - Appendix C - Other Medical Devices August Billing

Code Product Name Further Description Size Notations Abbott ...

www.health.gov.au/privatehealth/providers/circulars02-03/791_520m.pdf - [Similar pages](#)

[[More results from www.health.gov.au](#)]

510(k)s Final Decisions Rendered for February 2003

... STATEMENT HONG KONG, HONG KONG DEVICE: ACTISORB SILVER 220 **ANTIMICROBIAL** BINDING DRESSING ... FEB-03 RICHMOND, VA 23237 510(k) STATEMENT DEVICE: **HEM-O-LOK** XL CLIP ...

www.fda.gov/cdrh/510k/SUMfeb03.HTML - 93k - May 5, 2003 - [Cached](#) - [Similar pages](#)

[PDF]April 26 - May 1, 2002

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Page 1. April 26 - May 1, 2002 The Marriott Wardman Park Tower Hotel

Washington, DC Page 2. American Transplant Congress Meeting Office ...

www.abstracts-on-line.com/abstracts/Trans/ATC_Frontmatter.pdf - [Similar pages](#)

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FT Patent

10/5,K/13 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00960441 **Image available**

SURFACE TREATED LIGATING CLIP

AGRAFE DE LIGATURE POUR SURFACE TRAITEE

Patent Applicant/Assignee:

WECK CLOSURE SYSTEMS INC, 1 Weck Drive, Research Triangle Park, NC 27709,
US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

MANDEL Stanley R, 415 Lakeshore Lane, Chapel Hill, NC 27514, US, US
(Residence), US (Nationality), (Designated only for: US)

WHITNEY James R, 1600-C Golden Horseshoe Circle, Morrisville, NC 27560,
US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SAVAGE Michael G (et al) (agent), Burns, Doane, Swecker & Mathis, L.L.P.,
P.O. Box 1404, Alexandria, VA 22313-1404, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200294110 A1 20021128 (WO 0294110)

Application: WO 2002US16022 20020522 (PCT/WO US0216022)

Priority Application: US 2001864585 20010524

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **A61B-017/12**

Publication Language: English

Filing Language: English

English Abstract

The invention provides ligating clips for surgical use which have **antimicrobial** or **antibiotic** properties. More particularly, the ligating clips have **antimicrobial** and/or **antibiotic** agents either in a coating or provided within the material from which the clip is manufactured. The invention also provides a method for inhibiting the growth of or killing microorganisms by coating a ligating clip (Figs. 1-2) or ligating clip applying instrument (Figs. 3-4) with an **antimicrobial** or **antibiotic** coating composition or incorporating an **antimicrobial** or **antibiotic** coating into the material from which the ligating clip or ligating clip applying instrument was made.

Legal Status (Type, Date, Text)

Publication 20021128 A1 With international search report.

Examination 20030410 Request for preliminary examination prior to end of
19th month from priority date

the
Patent

Set	Items	Description
S1	42574	CLIP? ?
S2	334202	POLYMER? OR COPOLYMER?
S3	934765	ANTIMICROB? OR ANTI()MICROB? OR SILVER OR AG OR SELENIUM OR SE OR COPPER OR CU OR SILVER() (ACETATE OR OXIDE) OR CH(2W)CO- OAG OR AGO
S4	52596	ANTIBIOTIC? OR ANTI()BIOT? OR OXACILLIN? ? OR AMINOGLYCOSI- DE? ? OR AMINO()GLYCOSIDE? ? OR ERYTHROMYCIN? ? OR CIPRO? OR - CEPHALOSPORIN? ? OR QUINOLONE? ? OR VANCOMYCIN? ?
S5	353314	POLYMERS OR S2
S6	122	S1(5N)S5
S7	2	S6(S)(S3 OR S4) AND IC=A61B
S8	15	S6 AND (S3 OR S4) AND IC=A61B
S9	15	IDPAT (sorted in duplicate/non-duplicate order)
S10	15	IDPAT (primary/non-duplicate records only)

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File 348:EUROPEAN PATENTS 1978-2003/Apr W04
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File 349:PCT FULLTEXT 1979-2002/UB=20030501,UT=20030424
(c) 2003 WIPO/Univentio

*Inventor
Search*

7/5/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01533660

SURFACE TREATED LIGATING CLIP

PATENT ASSIGNEE:

Weck Closure Systems, Inc., (4286480), 1 Weck Drive, Research Triangle
Park, NC 27709, (US), (Applicant designated States: all)

INVENTOR:

MANDEL, Stanley, R., 415 Lakeshore Lane, Chapel Hill, NC 27514, (US)

WHITNEY, James, R., 1600-C Golden Horseshoe Circle, Morrisville, NC
27560, (US)

PATENT (CC, No, Kind, Date):

WO 2002094110 021128

APPLICATION (CC, No, Date): EP 2002737035 020522; WO 2002US16022 020522

PRIORITY (CC, No, Date): US 864585 010524

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61B-017/12

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030122 A1 International application. (Art. 158(1))

Application: 030122 A1 International application entering European
phase

LANGUAGE (Publication,Procedural,Application): English; English; English

7/5/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00960441 **Image available**

SURFACE TREATED LIGATING CLIP

AGRAFE DE LIGATURE POUR SURFACE TRAITEE

Patent Applicant/Assignee:

WECK CLOSURE SYSTEMS INC, 1 Weck Drive, Research Triangle Park, NC 27709,
US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

MANDEL Stanley R, 415 Lakeshore Lane, Chapel Hill, NC 27514, US, US
(Residence), US (Nationality), (Designated only for: US)

WHITNEY James R, 1600-C Golden Horseshoe Circle, Morrisville, NC 27560,
US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SAVAGE Michael G (et al) (agent), Burns, Doane, Swecker & Mathis, L.L.P.,
P.O. Box 1404, Alexandria, VA 22313-1404, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200294110 A1 20021128 (WO 0294110)

Application: WO 2002US16022 20020522 (PCT/WO US0216022)

Priority Application: US 2001864585 20010524

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61B-017/12

Publication Language: English

Filing Language: English

English Abstract

The invention provides ligating **clips** for surgical use which have antimicrobial or antibiotic properties. More particularly, the ligating **clips** have antimicrobial and/or antibiotic agents either in a coating or provided within the material from which the **clip** is manufactured. The invention also provides a method for inhibiting the growth of or killing microorganisms by coating a ligating **clip** (Figs. 1-2) or ligating **clip** applying instrument (Figs. 3-4) with an antimicrobial or antibiotic coating composition or incorporating an antimicrobial or antibiotic coating into the material from which the ligating **clip** or ligating **clip** applying instrument was made.

Legal Status (Type, Date, Text)

Publication 20021128 A1 With international search report.

Examination 20030410 Request for preliminary examination prior to end of
19th month from priority date

Set	Items	Description
S1	11	E3,E9
S2	17	AU='WHITNEY J'
S3	13	E14,E18:E19
S4	38	S1:S3
S5	2	S4 AND CLIP? ?
S6	2	IDPAT (sorted in duplicate/non-duplicate order)
S7	2	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Dec(Updated 030402)
(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Apr W04
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030501,UT=20030424
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200329
(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.

B.B. 1/10
patents

8/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014614453 **Image available**

WPI Acc No: 2002-435157/200246

Related WPI Acc No: 1999-573860; 2001-595415; 2001-647943; 2002-009996;
2002-049493; 2002-055636; 2002-055643; 2002-055644; 2002-089834;
2002-154437; 2002-179028; 2002-435164; 2002-445960; 2002-454447;
2002-537167; 2002-732956; 2003-210123

XRAM Acc No: C02-123542

XPX Acc No: N02-342565

Tubular organ joining device for treating restenosis following angioplasty, comprises anastomosis device affixed biocompatible vehicle, incorporated with agents for treating reaction by organism to implantation

Patent Assignee: CORDIS CORP (CRDC); ETHICON INC (ETHI); LENTZ D C (LENT-I); LLANOS G H (LLAN-I); ROLLER M B (ROLL-I); SCOPELIANOS A (SCOP-I); WEADOCK K (WEAD-I)

Inventor: LENTZ D C; LLANOS G H; ROLLER M B; SCOPELIANOS A; WEADOCK K; WEADOCK K S

Number of Countries: 097 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200226139	A1	20020404	WO 2001US30431	A	20010928	200246 B
AU 200194869	A	20020408	AU 200194869	A	20010928	200252
US 20020133183	A1	20020919	US 2000675882	A	20000929	200264
			US 2001850482	A	20010507	
			US 2001887464	A	20010622	
			US 2001966447	A	20010928	
JP 2002238994	A	20020827	JP 2001305587	A	20011001	200271
US 20020165608	A1	20021107	US 2001850482	A	20010507	200275
			US 2001887464	A	20010622	

Priority Applications (No Type Date): US 2001966447 A 20010928; US 2000675882 A 20000929; US 2001850482 A 20010507; US 2001887464 A 20010622

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200226139 A1 E 84 A61B-017/11

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200194869 A A61B-017/11 Based on patent WO 200226139

US 20020133183 A1 A61F-002/06 CIP of application US 2000675882
CIP of application US 2001850482
CIP of application US 2001887464

JP 2002238994 A 50 A61L-031/00

US 20020165608 A1 A61F-002/06 CIP of application US 2001850482

Abstract (Basic): WO 200226139 A1

NOVELTY - A tubular organ joining device, comprises an anastomosis device (AD) (200) for connecting a graft vessel to a target vessel such that the two vessels are in fluid communication, a biocompatible vehicle affixed to at least a portion of AD and, agent(s) incorporated into biocompatible vehicle for the treatment of reactions by the living organism caused by AD or the implantation.

USE - As intraluminal medical device, for joining tubular organs in

a living organism, and for local administration of drug/drug combination for the prevention and treatment of vascular diseases caused by injury. The device is used for the treatment of restenosis and related complications following percutaneous transluminal coronary angioplasty.

ADVANTAGE - Drugs, agents or compounds, affixed to the medical device, minimizes or eliminates biological organisms reaction to the introduction of the medical device to the organisms, and reduces thrombosis, restenosis, or other adverse reactions. The local delivery of the drug/combination from a stent, prevents vessel recoil and remodeling through the scaffolding action of the stent, prevents multiple components of neointimal hyperplasia or restenosis, and reduces inflammation and thrombosis. Higher tissue concentrations of the drugs, agents or compounds and reduced systemic toxicity, are achieved utilizing local delivery, rather than systemic administration. Local delivery from a stent provides better patient compliance. Local stent-based therapy improves the therapeutic ratio (efficacy/toxicity) of anti-restenosis, anti-inflammatory, anti-thrombotic drugs, agents or compounds.

DESCRIPTION OF DRAWING(S) - The figure shows the anastomosis device having a fastening flange and attached staple.

Anastomosis device (200)

Fastening flange (202)

pp; 84 DwgNo 10/23

Title Terms: TUBE; ORGAN; JOIN; DEVICE; TREAT; FOLLOW; ANGIOPLASTY;
COMPRISE; ANASTOMOSIS; DEVICE; AFFIX; BIOCOMPATIBLE; VEHICLE; INCORPORATE
; AGENT; TREAT; REACT; ORGANISM; IMPLANT

Derwent Class: A96; B07; D22; P31; P32; P34

International Patent Class (Main): **A61B-017/11** ; A61F-002/06; A61L-031/00

International Patent Class (Additional): **A61B-017/064** ; **A61B-017/115** ;

A61L-027/34; A61L-031/10; A61L-031/16; A61M-029/02

File Segment: CPI; EngPI

8/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012974544 **Image available**

WPI Acc No: 2000-146393/200013

Related WPI Acc No: 2001-014746

XRAM Acc No: C00-045720

XRPX Acc No: N00-108365

Sutures with increased in vivo strength retention without exhibiting substantial decrease in rate of bioabsorption

Patent Assignee: US SURGICAL CORP (USSU); US SURGICAL (USSU)

Inventor: JIANG Y; ROBY M

Number of Countries: 084 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6007565	A	19991228	US 97924359	A	19970905	200013 B
WO 200016699	A1	20000330	WO 98US20057	A	19980924	200024 N
AU 9895798	A	20000410	AU 9895798	A	19980924	200035 N
			WO 98US20057	A	19980924	
EP 1032310	A1	20000906	EP 98949488	A	19980924	200044 N
			WO 98US20057	A	19980924	
AU 749381	B	20020627	AU 9895798	A	19980924	200254 N

Priority Applications (No Type Date): US 97924359 A 19970905; WO 98US20057

A 19980924; AU 9895798 A 19980924; EP 98949488 A 19980924

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 US 6007565 A 9 A61B-017/00
 WO 200016699 A1 E A61B-017/00
 Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK
 LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
 TM TR TT UA UG UZ VN YU ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
 AU 9895798 A A61B-017/00 Based on patent WO 200016699
 EP 1032310 A1 E A61B-017/00 Based on patent WO 200016699
 Designated States (Regional): CH DE ES FR GB IE IT LI SE
 AU 749381 B A61B-017/00 Previous Publ. patent AU 9895798
 Based on patent WO 200016699

Abstract (Basic): US 6007565 A

NOVELTY - Sutures comprises sterile fiber made from block
copolymer . The first block contains 40-65 mol.% repeat units derived
 from glycolide randomly combined with 60-35 mol.% repeat units derived
 from lactide. The second block contains repeat units derived from
 glycolide and repeat units derived from lactide. The second block
 contains higher proportion of repeat units derived from glycolide than
 the first block. The units derived from glycolide constitute 75-95
 mol.% of the entire block **copolymer** .

USE - Used as sutures (claimed).

ADVANTAGE - Increased in vivo strength retention without exhibiting
 substantial decrease in rate of bioabsorption as measured by mass loss.
 Fibers can be fabricated into braided multifilament sutures.

DESCRIPTION OF DRAWING(S) - The drawing shows an apparatus suitable
 for manufacturing multifilament yarns.

Yarn (17)
 Lub godet (22)
 Godet (23)
 Draw frame (25)
 pp; 9 DwgNo 1/2

Title Terms: SUTURE; INCREASE; VIVO; STRENGTH; RETAIN; EXHIBIT; SUBSTANTIAL
 ; DECREASE; RATE

Derwent Class: A96; B07; D22; P31

International Patent Class (Main): A61B-017/00

File Segment: CPI; EngPI

8/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009449368 **Image available**

WPI Acc No: 1993-142893/199317

XRAM Acc No: C93-063983

XRPX Acc No: N93-109008

**Surgical clip with highly resistive bridge - has pair of opposed prongs
 each with conductive surface to contact tissue**

Patent Assignee: MEDICAL SCI INC (MEDI-N)

Inventor: NARDELLA P C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5201900	A	19930413	US 92842899	A	19920227	199317 B

Priority Applications (No Type Date): US 92842899 A 19920227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 5201900 A 6 A61B-017/00

Abstract (Basic): US 5201900 A

A **clip** has a pair of opposed prongs (12,14) each with a conductive surface to contact tissue, and a bridge (16) of highly resistive material joining the prongs in a unitary structure. The whole structure is pref. of the highly resistive material with the conductive surface formed by a coating which may also extend onto part only of the bridge, leaving sufficient space to isolate the electrodes from each other.

The resistive material pref. has a conductivity of 10^{-25} - 10^{-9} mho-cm-1, and may be of tungsten or a deformable **polymer**, partic. a fluorocarbon **polymer** or a polyamide with a softening temp. of 125-145 deg. The coating is pref. of gold, **silver**, or platinum with a conductivity of 10^{-4} - 10^{-6} mho-cm-1 so that application of a current heats the **polymer** sufficiently to make it pliable.

ADVANTAGE - Can be safely and effectively used in electrosurgical techniques without the use of a remote ground electrode.

Dwg.3/5

Title Terms: SURGICAL; **CLIP**; HIGH; RESISTOR; BRIDGE; PAIR; OPPOSED; PRONG; CONDUCTING; SURFACE; CONTACT; TISSUE

Derwent Class: A96; P31

International Patent Class (Main): **A61B-017/00**

File Segment: CPI; EngPI

8/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009231578 **Image available**

WPI Acc No: 1992-358998/199244

XRAM Acc No: C92-159377

XRFX Acc No: N92-273627

Electrocardiograph pad - has tab for receiving reusable lead wire connector and comprises electrolyte layer on nonconductive backing

Patent Assignee: NDM ACQUISITION CORP (NDMC); NDM INC (NDMC)

Inventor: CARTMELL J V; DEROSA J F; STONE J W

Number of Countries: 016 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 510786	A1	19921028	EP 92300085	A	19920106	199244 B
ZA 9200242	A	19921028	ZA 92242	A	19920113	199249
AU 9188932	A	19921119	AU 9188932	A	19911210	199302
CA 2057175	A	19921025	CA 2057175	A	19911206	199303
US 5195523	A	19930323	US 91690868	A	19910424	199314
AU 644916	B	19931223	AU 9188932	A	19911210	199407
US 5405273	A	19950411	US 91690868	A	19910424	199520
			US 92965767	A	19921023	
NZ 240912	A	19950427	NZ 240912	A	19911209	199522
CA 2057175	C	19981222	CA 2057175	A	19911206	199910

Priority Applications (No Type Date): US 91690868 A 19910424; US 92965767 A 19921023

Cited Patents: EP 247561; US 4702256; US 4798208; US 4890622

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
EP 510786 A1 E 16 A61B-005/0408

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
 ZA 9200242 A 33 A61B-000/00
 US 5195523 A 12 A61B-005/0402
 AU 644916 B A61B-005/0408 Previous Publ. patent AU 9188932
 US 5405273 A 12 H01R-004/48 Div ex application US 91690868
 Div ex patent US 5195523
 AU 9188932 A A61B-005/0408
 CA 2057175 A A61B-005/040
 NZ 240912 A A61N-001/04
 CA 2057175 C A61B-005/0408

Abstract (Basic): EP 510786 A

An electrocardiograph pad (10) comprises a skin contact electrolyte layer (18) on a coextensive nonconductive backing (16). The pad (10) has a tab (14) to receive a reusable lead wire (21) connector (12).

Specifically the electrolyte layer (18) is hydrogel, and the **polymeric** backing (16) is polyethylene terephthalate, polystyrene, PVC, polyethylene, or polypropylene. Pref. the connector (12) comprises a **clip** with jaws coated with particles of Ti, stainless steel, Ni, Au, Sn, Pt, Ni- **Ag** alloy, **Cu**, Al or **Ag**, and the **clip** (12) comprises nonconductive binder material of ethylene vinyl acetate, polyethylene, polypropylene, PVC, PTFE, nylon, silicon, rubber, poly(ethylene propylene ethylidene norbornene) or their mixts. contg. conductive filler of C or metals. Opt. the connector (12) is an alligator **clip** with metal jaws.

ADVANTAGE - Low cost pad is disposable.

Dwg.1/13

Title Terms: ECG; PAD; TAB; RECEIVE; REUSE; LEAD; WIRE; CONNECT; COMPRISE; ELECTROLYTIC; LAYER; BACKING

Derwent Class: A96; D22; P31; P34

International Patent Class (Main): **A61B-000/00** ; **A61B-005/040** ; **A61B-005/0402** ; **A61B-005/0408** ; A61N-001/04; H01R-004/48

International Patent Class (Additional): **A61B-005/0416**

File Segment: CPI; EngPI

8/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009074261 **Image available**

WPI Acc No: 1992-201680/199225

Related WPI Acc No: 1995-114683

Latchless surgical clip - has hinge region with elastic spring back property so legs engage opposing side of tissue

Patent Assignee: US SURGICAL CORP (USSU)

Inventor: GORMAN C E; KORTHOFF H W; MUTH R R; SHICHMAN D; SCHICHMAN D

Number of Countries: 005 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 490411	A1	19920617	EP 91121456	A	19911213	199225 B
CA 2057296	A	19920614	CA 2057296	A	19911209	199236
US 5366458	A	19941122	US 90626841	A	19901213	199501
US 5474732	A	19951212	US 90626841	A	19901213	199604
			US 94281885	A	19940728	

Priority Applications (No Type Date): US 90626841 A 19901213; US 94281885 A 19940728

Cited Patents: 2.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 490411	A1	E	30	A61B-017/12	
Designated States (Regional): DE FR GB					
US 5366458	A		12	A61B-017/00	
US 5474732	A		12	B29C-061/06	Div ex application US 90626841 Div ex patent US 5366458
CA 2057296	A			A61B-017/12	

Abstract (Basic): EP 490411 A

Prod'n. of direct positive images comprises: (A): imagewise exposure of a **Ag** halide (AgX) material comprising a support and internal latent-image type AgX emulsion layer(s); (B): development of the material under the following conditions: (b-1): development nucleator(s) is present; (B-2): a density-increasing amt. of a cpd. (I) is present, where (I) + formic, oxalic and glyoxylic acids and salts thereof (pref. (I) + oxalic acid), and/or a polyethylene glycol is present; (B-3): the developer contains hydroquinone at up to 25g/l and alkanalamine(s) at 5-100 g/l (10-60g/l), and is of pH not above 12.0.

ADVANTAGE - Direct positive images of adequate density are obtd. at relatively low development pH's thereby minimising aerial oxidn. of the developer

Title Terms: LATCH; SURGICAL; **CLIP** ; HINGE; REGION; ELASTIC; SPRING; BACK; PROPERTIES; SO; LEG; ENGAGE; OPPOSED; SIDE; TISSUE

Derwent Class: P31

International Patent Class (Main): **A61B-017/00** ; **A61B-017/12** ; B29C-061/06

International Patent Class (Additional): B29C-059/18

File Segment: EngPI

8/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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04277439

CLIP FOR MEDICAL TREATMENT

PUB. NO.: 05-269139 [JP 5269139 A]
 PUBLISHED: October 19, 1993 (19931019)
 INVENTOR(s): HIROSE TERUO
 KAWABATA TAKASHI
 APPLICANT(s): NIPPON ZEON CO LTD [352314] (A Japanese Company or Corporation), JP (Japan)
 APPL. NO.: 04-093797 [JP 9293797]
 FILED: March 19, 1992 (19920319)
 INTL CLASS: [5] **A61B-017/12** ; **A61B-017/28**
 JAPIO CLASS: 28.2 (SANITATION -- Medical)
 JAPIO KEYWORD: R119 (CHEMISTRY -- Heat Resistant Resins)
 JOURNAL: Section: C, Section No. 1156, Vol. 18, No. 43, Pg. 58,
 January 24, 1994 (19940124)

ABSTRACT

PURPOSE: To lessen the flowing in a body and to substantially prevent the generation of a bioreaction even if a patient is put under a diagnosis by a diagnosing apparatus using magnetism by forming the **clip** of a weakly magnetic metallic material.

CONSTITUTION: The weakly magnetic metallic material refers to a material which consists of a paramagnetic metallic material, diamagnetic metallic material and the alloy thereof, does not contain ferromagnetic and diaferromagnetic materials and is paramagnetic or diamagnetic as a whole.

The rate of magnetization is preferably $\leq 10^{(sup 4)}$ (cgs, emu) absolute value of the mass X of the rate of magnetization. The specific examples thereof include aluminum, titanium, platinum, gold and the alloys thereof. The **clip** is easier to use if weakly magnetic metals, such as aluminum and **copper**, which are relatively soft and are elongatable are basically used for the holdability and ease of use as the **clip**. These metals are, however, low in corrosion resistance and stability within the living body and, therefore, the surfaces of these materials are adequately coated with titanium or titanium alloy or biofittable **polymer**.

Set	Items	Description
S1	74474	CLIP? ?
S2	1502270	POLYMER? OR COPOLYMER?
S3	666733	ANTIMICROB? OR ANTI()MICROB? OR SILVER OR AG OR SELENIUM OR SE OR COPPER OR CU OR SILVER() (ACETATE OR OXIDE) OR CH(2W)CO- OAG OR AGO
S4	38554	ANTIBIOTIC? OR ANTI()BIOT? OR OXACILLIN? ? OR AMINOGLYCOSI- DE? ? OR AMINO()GLYCOSIDE? ? OR ERYTHROMYCIN? ? OR CIPRO? OR - CEPHALOSPORIN? ? OR QUINOLONE? ? OR VANCOMYCIN? ?
S5	67	S1 AND S2 AND (S3 OR S4)
S6	6	S5 AND IC=A61B
S7	6	IDPAT (sorted in duplicate/non-duplicate order)
S8	6	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Dec(Updated 030402)
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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200329
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File 371:French Patents 1961-2002/BOPI 200209
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